	7 Qualified Vendors List (QVL)											
Vendor	Part No.	Туре	Size	SS/DS	Chip Brand	Chip NO.	Timing Dimm(Bios)	Voltage	DIMN A*	/I socket su B*	pport (Optic C*	onal) D*
CORSAIR	CM3X1024-1066C7	DDR3 1067	1024MB	DS	N/A	Heat-Sink Package	7	1.1	•	•		
Crucial	CT12864BA1067.8SFB	DDR3 1067	1024MB	SS	MICRON	Z9HWQ	7		•	•	•	•
Crucial	CT12864BA1067.8SFD	DDR3 1067	1024MB	SS	MICRON	D9JNL	7		•	•	•	•
Crucial	CT25664BA1067.16SFD	DDR3 1067	2048MB	DS	MICRON	D9JNL	7		•	•	•	•
ELPIDA	EBJ10UE8BAW0-AE-E	DDR3 1067	1024MB	SS	ELPIDA	J1108BABG-DJ-E	CL7(1066-7-7-7-20)		•	•	•	•
ELPIDA	EBJ11RD8BAFA-AE-E	DDR3 1067	1024MB	DS	ELPIDA	J5308BASE-AC-E(ECC)	7		•	•	•	•
ELPIDA	EBJ11UD8BAFA-AG-E	DDR3 1067	1024MB	DS	ELPIDA	J5308BASE-AC-E	8		•	•	•	
ELPIDA	EBJ21UE8BAW0-AE-E	DDR3 1067	2048MB	DS	ELPIDA	J1108BABG-DJ-E	CL7(1066-7-7-7-20)		•	•	•	•
G.SKILL	F3-8500CL6D-2GBHK	DDR3 1067	2048MB(Kit of 2)	SS	N/A	Heat-Sink Package	6-6-6-15	1.65	•	•	•	•
Hynix	HMT112U6AFP8C-G7N0	DDR3 1067	1024MB	SS	HYNIX	H5TQ1G83AFPG7C	7		•	•	•	•
Hynix	HYMT112U64ZNF8-G7	DDR3 1067	1024MB	SS	HYNIX	HY5TQ1G831ZNFP-G7	7		•	•	•	
Hynix	HMT125U6AFP8C-G7N0	DDR3 1067	2048MB	DS	HYNIX	H5TQ1G83AFPG7C	7		•	•	•	•
Hynix	HYMT125U64ZNF8-G7	DDR3 1067	2048MB	DS	HYNIX	HY5TQ1G831ZNFP-G7	7		•	•	•	
KINGSTON	KVR1066D3N7/1G	DDR3 1067	1024MB	DS	ELPIDA	J5308BASE-AC-E		1.5	•	•	•	•
KINGSTON	KVR1066D3N7/2G	DDR3 1067	2048MB	DS	SAMSUNG	K4B1G0846C-ZCF8		1.5	•	•	•	•
MICRON	MT8JTF12864AY-1G1D1	DDR3 1067	1024MB	SS	MICRON	7VD22	7		•	•	•	•
MICRON	MT16JTF25664AY-1G1D1	DDR3 1067	2048MB	DS	MICRON	7VD22	7		•	•	•	•
Qimonda	IMSH1GU03A1F1C-10F	DDR3 1067	1024MB	SS	Qimonda	IDSH1G-03A1F1C-10F	7		•	•	•	•
Qimonda	IMSH1GU03A1F1C-10G	DDR3 1067	1024MB	SS	Qimonda	IDSH1G-03A1F1C-10G	8		•	•	•	•
Qimonda	IMSH1GU13A1F1C-10F	DDR3 1067	1024MB	DS		IDSH51-03A1F1C-10F			•	•	•	•
Qimonda	IMSH2GU13A1F1C-10F	DDR3 1067	2048MB	DS	Qimonda	IDSH1G-03A1F1C-10F	7		•	•	•	•
Qimonda	IMSH2GU13A1F1C-10G	DDR3 1067	2048MB	DS	Qimonda	IDSH1G-03A1F1C-10G	8		•	•	•	•
Transcend	TS256MLK64V1U	DDR3 1067	2048MB	DS	ELPIDA	J1108BABG-AE-E	CL7(1066-7-7-7-20)		•	•	•	•
Aeneon	AEH760UD00-10FA98X	DDR3 1067	1024MB	DS	AENEON	AEH93R10F	7		•	•	•	
Asint	SLY3128M8-EAE	DDR3 1067	1024MB	SS	Asint	DDRIII1208-AE	(7-7-7-20)		•	•	•	•
Asint	SLZ3128M8-EAE	DDR3 1067	2048MB	DS	Asint	DDRIII1208-AE	(7-7-7-20)		•	•	•	•
Flivie	MOCOCCACROLIANIA RE	DDD2 4067	2040MD	DC	Flissin	NOCD4COOAN DE	7	<u> </u>				

Side(s): SS - Single-sided DS - Double-sided

M2F2G64CB8HAN4-BE

3DU3191A-10

Qualified Vendors List (QVL) Standard table for user manual

Elixir

WINTEC

Note:

Qualified Vendors List (QVL) Standard table for user manual

• A*: Supports two (2) modules inserted into slot A1 and B1 as one pair of Dual-channel memory configuration. • B*: Supports three (3) modules inserted into the orange slots (A1, B1 and C1) as one set of Triple-channel memory configuration.

DDR3 1067

DDR3 1067

• C*: Supports four (4) modules inserted into the orange slots (A1, B1 and C1) and the black slot A2 as one set of Triple-channel memory configuration. • D*: Supports six (6) modules inserted into both the orange slots and the black slots as two set of Triple-channel memory configuration.

2048MB

1024MB

- Due to Intel spec definition, X.M.P. DIMMs and DDR3-1600 are supported for one DIMM per channel only. - According to Intel spec definition, DDR3-1600 is supported for one DIMM per channel only. ASUS exclusively provides two DDR3-1600 DIMM support for each memory channel.

- Due to Intel CPU spec definition, the system will not boot if only one DIMM is installed in DIMM slot A2, B2, or C2. Follow the table above for recommended memory configuration.

DS

DS

Elixir

Qimonda

N2CB1G80AN-BE

IDSH51-03A1F1C-10F

- According to Intel CPU spec, DIMMs with voltage requirement over 1.65V may damage the CPU permanently. We recommend you install the DIMMs with the voltage requirement below 1.65V. - Due to the memory address limitation on 32-bit Windows OS, when you install 4GB or more memory on the motherboard, the actual usable memory, we recommend that you install a 64-bit Windows OS when having 4GB or more memory installed on the motherboard. - The default memory operation frequency is dependent on its SPD. Under the default state, some memory modules for overclocking may operate at a lower frequency than the vendor-marked value. - For system stability, use a more efficient memory cooling system to support a full memory load (6 DIMMs) or overclocking condition.

7

7

P6T DDR3 1333 Qualified Vendors List (QVL) Timing **DIMM socket support (Optional)** Part No. SS/DS Chip Brand Chip NO. Voltage Vendor Size Type Dimm(Bios) DDR3 1333 2048MB SAMSUNG **A-DATA** SC63I1B16 DS K4B1G0846D (1333-9-9-9-24) AD31333E002G0U A-DATA DDR3 1333 6144MB(Kit of 3) DS N/A CL7-7-7-20(1333-9-9-9-24) Heat-Sink Package 1.65-1.85 78.01GC6.420 DDR3 1333 1024MB SS **ELPIDA** J1108BABG-DJ-E (1333-9-9-9-24) Apacer DDR3 1333 78.01GC8.422 1024MB SS **ELPIDA** J1108BABG-DJ-E(ECC) (1333-9-9-9-24) **Apacer ELPIDA** 78.A1GC6.421 DDR3 1333 2048MB DS J1108BABG-DJ-E (1333-9-9-9-24) **Apacer** 78.A1GC8.423 DDR3 1333 2048MB **ELPIDA** J1108BABG-DJ-E(ECC) (1333-9-9-9-24) **Apacer** DS • Heat-Sink Package **CORSAIR** CM3X1G1333C9D6 DDR3 1333 3072MB(Kit of 3) SS N/A 9-9-9-24(1337-9-9-9-24) 1.5 **CORSAIR** TR3X3G1333C9 DDR3 1333 3072MB(Kit of 3) SS N/A 9-9-9-24(1333-9-9-9-24) 1.5 Heat-Sink Package • • **CORSAIR** 1024MB CM3X1024-1333C9DHX DDR3 1333 DS N/A Heat-Sink Package (1333-9-9-9-24) 1.1 BoxP/N:TWIN3X2048-1333C9 DDR3 1333 **CORSAIR** 2048MB(Kit of 2) DS N/A Heat-Sink Package 9-9-9-24(1066-7-7-7-20) 1.70 • (CM3X1024-1333C9) BoxP/N:TW3X4G1333C9DHX CORSAIR DDR3 1333 N/A 4096MB(Kit of 2) DS Heat-Sink Package 9-9-9-24(1066-7-7-7-20) 1.70 (CM3X2048-1333C9DHX) **CORSAIR** CM3X2G1333C9D6 DDR3 1333 6144MB(Kit of 3) DS N/A 9-9-9-24(1337-9-9-9-24) 1.5 Heat-Sink Package **CORSAIR** TR3X6G1333C9 DDR3 1333 6144MB(Kit of 3) DS N/A 9-9-9-24(1333-9-9-9-24) 1.5 Heat-Sink Package Crucial CT12864BA1339.8SFB DDR3 1333 1024MB SS **MICRON** D9GTS (1333-9-9-9-24) Crucial CT12864BA1339.8SFD DDR3 1333 1024MB SS MICRON MT8JF12864AY-1G4D1 (1333-9-9-9-24) DDR3 1333 D9JNM Crucial CT25664BA1339.16SFD 2048MB DS MICRON (1333-9-9-9-24)**ELPIDA** EBJ10UE8BAW0-DJ-E DDR3 1333 1024MB SS **ELPIDA** J1108BABG-DJ-E CL9(1333-9-9-9-24) **ELPIDA** EBJ21UE8BAW0-DJ-E DDR3 1333 2048MB DS **ELPIDA** J1108BABG-DJ-E CL9(1333-9-9-9-24) **G.SKILL** F3-10600CL8D-2GBHK DDR3 1333 2048MB(Kit of 2) SS N/A 1.65 Heat-Sink Package (1337-8-8-8-22) **G.SKILL** DDR3 1333 SS F3-10600CL9D-2GBPK 2048MB(Kit of 2) N/A Heat-Sink Package (1333-9-9-9-24) 1.65 2048MB(Kit of 2) **G.SKILL** F3-10600CL9D-2GBNQ DDR3 1333 DS N/A Heat-Sink Package (1333-9-9-9-24) 1.5-1.65 DDR3 1333 **G.SKILL** 4096MB(Kit of 2) F3-10666CL9D-4GBPK DS N/A Heat-Sink Package (1333-9-9-9-24)1.65 • **G.SKILL** F3-10666CL9T-6GBNQ DDR3 1333 6144MB(Kit of 3) DS N/A Heat-Sink Package 9-9-9-24(1333-9-9-9-24) 1.5 **ELPIDA KINGMAX** FLFD45F-B8EE9 DDR3 1333 1024MB SS J1108BASE-DJ-E (1333-9-9-9-24)**KINGSTON** KVR1333D3N9/1G DDR3 1333 1024MB SS **ELPIDA** J1108BASE-DJ-E (1333-9-9-9-24) 1.5 DDR3 1333 **ELPIDA** J1108BASE-DJ-E **KINGSTON** KVR1333D3N9/2G 2048MB DS (1333-9-9-9-24) 1.5 **MICRON** MT8JTF12864AY-1G4BYES DDR3 1333 1024MB SS MICRON Z9HWR (1333-9-9-9-24)MT16JTF25664AY-1G4BYES (1333-9-9-9-24) MICRON DDR3 1333 2048MB DS MICRON Z9HWR OCZ OCZ3RPX1333EB2GK DDR3 1333 1024MB SS N/A Heat-Sink Package (1066-6-5-5-20) 3072MB(Kit of 3) OCZ OCZ3X1333GK DDR3 1333 SS N/A Heat-Sink Package 7-7-7(1066-6-6-6-16) 1.6 OCZ OCZ3P13332GK DDR3 1333 1024MB DS N/A Heat-Sink Package 7-7-7-20(1333-9-9-9-24) OCZ OCZ3P13334GK DDR3 1333 4096MB(Kit of 2) DS N/A Heat-Sink Package 7(1333-7-7-7-20) 1.8 OCZ OCZ3RPX1333EB4GK DDR3 1333 4096MB(Kit of 2) DS N/A Heat-Sink Package 1.85 (1066-6-5-5) DDR3 1333 1024MB Qimonda IMSH1GU03A1F1C-13H SS Qimonda IDSH1G-03A1F1C-13H 9(1333-9-9-9-24) • • IMSH2GU13A1F1C-13H 9(1333-9-9-9-24) Qimonda DDR3 1333 2048MB DS Qimonda IDSH1G-03A1F1C-13H **SAMSUNG** M378B2873DZ1-CH9 DDR3 1333 1024MB SS SAMSUNG K4B1G0846D 9(1333-9-9-9-24) **SAMSUNG** M391B2873DZ1-CH9 DDR3 1333 SS SAMSUNG 9(1333-9-9-9-24) 1024MB K4B1G0846D(ECC) **SAMSUNG** M378B5673DZ1-CH9 DDR3 1333 2048MB DS SAMSUNG K4B1G0846D 9(1333-9-9-9-24) **SAMSUNG** SAMSUNG M391B5673DZ1-CH9 DDR3 1333 2048MB DS K4B1G0846D(ECC) 9(1333-9-9-9-24) **Transcend** TS128MLK64V3U DDR3 1333 1024MB SS SAMSUNG K4B1G0846D 9(1333-9-9-9-24) TS256MLK64V3U **Transcend** DDR3 1333 2048MB DS SAMSUNG K4B1G0846D 9(1333-9-9-9-24) AEH760UD00-13H DDR3 1333 1024MB DS **AENEON** AEH93R13H (1333-9-9-9-24) **Aeneon Asint** DDR3 1333 SS DDRIII1208-DJ SLY3128M8-EDJ 1024MB Asint (9-9-9-24) **Asint** SLZ3128M8-EDJ DDR3 1333 2048MB DS DDRIII1208-DJ (9-9-9-24)Asint **BUFFALO** (1066-7-7-7-20) FSX1333D3G-1G DDR3 1333 1024MB SS N/A Heat-Sink Package

Patriot PQI

BUFFALO

Elixir

Patriot

Patriot

Note: Side(s): SS - Single-sided DS - Double-sided

FSX1333D3G-2G

M2F2G64CB8HA4N-CG

PDC32G1333LLK

PVT33G1333ELK

PVT36G1333ELK

MFACR322LA0105

 A*: Supports two (2) modules inserted into slot A1 and B1 as one pair of Dual-channel memory configuration. • B*: Supports three (3) modules inserted into the orange slots (A1, B1 and C1) as one set of Triple-channel memory configuration. • C*: Supports four (4) modules inserted into the orange slots (A1, B1 and C1) and the black slot A2 as one set of Triple-channel memory configuration.

- Due to Intel spec definition, X.M.P. DIMMs and DDR3-1600 are supported for one DIMM per channel only.

DDR3 1333

DDR3 1333

DDR3 1333

DDR3 1333

DDR3 1333

DDR3 1333

• D*: Supports six (6) modules inserted into both the orange slots and the black slots as two set of Triple-channel memory configuration.

- Due to Intel CPU spec definition, the system will not boot if only one DIMM is installed in DIMM slot A2, B2, or C2. Follow the table above for recommended memory configuration.

2048MB

2048MB

1024MB

3072MB(Kit of 3)

6144MB(Kit of 3)

1024MB

DS

DS

SS

SS

DS

DS

N/A

Elixir

PATRIOT

N/A

N/A

PQI

Heat-Sink Package

N2CB1G80AN-CG

Heat-Sink Package

Heat-Sink Package

Heat-Sink Package

PQC3648S15R

- According to Intel spec definition, DDR3-1600 is supported for one DIMM per channel only. ASUS exclusively provides two DDR3-1600 DIMM support for each memory channel. - According to Intel CPU spec, DIMMs with voltage requirement over 1.65V may damage the CPU permanently. We recommend you install the DIMMs with the voltage requirement below 1.65V.

- Due to the memory address limitation on 32-bit Windows OS, when you install 4GB or more memory on the motherboard, the actual usable memory, we recommend that you install a 64-bit Windows OS when having 4GB or more memory installed on the motherboard. - The default memory operation frequency is dependent on its SPD. Under the default state, some memory modules for overclocking may operate at a lower frequency than the vendor-marked value.

(1066-7-7-7-20)

(1333-9-9-9-24)

7(1337-7-7-20)

CL9-9-9-24(1066-7-7-7-20)

CL9-9-9-24(1066-7-7-7-20)

(1333-9-9-9-24)

1.7

1.65

1.65

- For system stability, use a more efficient memory cooling system to support a full memory load (6 DIMMs) or overclocking condition.

Qualified Vendors List (QVL) Standard table for user manual P6T DDR3 1600 Qualified Vendors List (QVL)

Vendor	Part No.	Туре	Size	SS/DS	Chip Brand	Chip NO.	Timing Dimm(Bios)	Voltage	DIMM socket support (Optional)			
vendor									A *	В*	C*	D*
A-DATA	AD31600E001GMU	DDR3 1600	3072MB(Kit of 3)	SS	N/A	Heat-Sink Package	CL8-8-8-24(1333-9-9-9-24)	1.65-1.85	•	•	•	•
CORSAIR	BoxP/N:TWIN3X2048- 1600C7DHXIN	DDR3 1600	2048MB(Kit of 2)	SS	N/A	Heat-Sink Package	7-7-7-20(1333-9-9-9-24)	1.80	•	•	•	•
CORSAIR	BoxP/N:TW3X4G1600C9DHXNV (CM3X2G1600C9DHXNV)	DDR3 1600	4096MB(Kit of 2)	DS	N/A	Heat-Sink Package	(1333-9-99-24)	1.80	•	•	•	•
CORSAIR	BoxP/N:TWIN3X4096- 1600C7DHXIN	DDR3 1600	4096MB(Kit of 2)	DS	N/A	Heat-Sink Package	(1601-7-7-7-20)	1.90	•	•	•	_
CORSAIR	TR3X6G1600C9(XMP)	DDR3 1600	6144MB(Kit of 3)	DS	N/A	Heat-Sink Package	CL9-9-9-24(1333-9-9-9-24)	1.65	•	•	•	
Crucial	BL12864BA1608.8SFB(XMP)	DDR3 1600	1024MB	SS	N/A	Heat-Sink Package	(1601-8-8-8-24)	1.8	•	•	•	•
G.SKILL	F3-12800CL7D-2GBHZ	DDR3 1600	2048MB(Kit of 2)	SS	N/A	Heat-Sink Package	(1601-7-7-7-18)	1.9	•	•	•	•
G.SKILL	F3-12800CL9D-2GBNQ	DDR3 1600	2048MB(Kit of 2)	SS	N/A	Heat-Sink Package	(1333-9-9-9-24)	1.6	•	•	•	•
G.SKILL	F3-12800CL7D-4GBPI	DDR3 1600	4096MB(Kit of 2)	DS	N/A	Heat-Sink Package	7-7-7-18(1333-9-9-9-24)	1.9	•	•	•	
G.SKILL	F3-12800CL9T-6GBNQ	DDR3 1600	6144MB(Kit of 3)	DS	N/A	Heat-Sink Package	9-9-9-24(1601-9-9-9-24)	1.5-1.6	•	•		
KINGSTON	KHX12800D3LLK3/3GX(XMP)	DDR3 1600	3072MB(Kit of 3)	SS	N/A	Heat-Sink Package	(1333-9-9-9-24)	1.65	•	•		
OCZ	OCZ3P1600EB1G	DDR3 1600	1024MB	SS	N/A	Heat-Sink Package	7-6-6-24(1333-7-7-7-20)		•			
ocz	OCZ3P16002GK	DDR3 1600	2048MB(Kit of 2)	SS	N/A	Heat-Sink Package	7(1333-7-7-20)		•			
OCZ	OCZ3T1600XM2GK(XMP)	DDR3 1600	2048MB(Kit of 2)	SS	N/A	Heat-Sink Package	(1601-8-8-8-28)		•		•	
ocz	OCZ3P1600EB4GK	DDR3 1600	4096MB(Kit of 2)	DS	N/A	Heat-Sink Package	7-7-6(1333-7-7-7-20)	1.8	•	•	•	•
OCZ	OCZ3X16004GK	DDR3 1600	4096MB(Kit of 2)	DS	N/A	Heat-Sink Package	7-7-7-20	1.9	•	•	•	
Aeneon	AXH760UD10-16H	DDR3 1600	1024MB	SS	N/A	Heat-Sink Package	(1601-9-9-9-28)		•	•	•	•
Aeneon	AXH860UD20-16H	DDR3 1600	2048MB	DS	N/A	Heat-Sink Package	(1601-9-9-9-28)		•	•	•	•
Cell Shock	CS322271	DDR3 1600	2048MB(Kit of 2)	DS	N/A	Heat-Sink Package	7-7-7-14(1066-7-7-7-20)	1.7-1.9	•	•	•	•
Mushkin	996657	DDR3 1600	4096MB(Kit of 2)	DS	N/A	Heat-Sink Package	7-7-7-20		•	•	•	•
Patriot	PVT33G1600ELK	DDR3 1600	3072MB(Kit of 3)	SS	N/A	Heat-Sink Package	CL9-9-9-24(1066-7-7-7-20)	1.65	•	•	•	•
Patriot	PVS34G1600LLKN	DDR3 1600	4096MB(Kit of 2)	DS	N/A	Heat-Sink Package	7-7-7-20(1066-7-7-7-20)	2.0	•	•		
Patriot	PVT36G1600ELK	DDR3 1600	6144MB(Kit of 3)	DS	N/A	Heat-Sink Package	CL9-9-9-24(1066-7-7-7-20)	1.65	•	•	•	•
PQI	MFADR401PA0102	DDR3 1600	2048MB	DS	SAMSUNG	K4B1G08460	9-9-9-24(1333-9-9-9-24)		•	•	•	
Team	BoxP/N:TXD32048M1600HC7DC (TXD31024M1600HC7)	DDR3 1600	2048MB(Kit of 2)	SS	N/A	Heat-Sink Package	7-7-7-21(1333-8-8-824)	1.75-1.85	•	•	•	•

Note: Side(s): SS - Single-sided DS - Double-sided • A*: Supports two (2) modules inserted into slot A1 and B1 as one pair of Dual-channel memory configuration. • B*: Supports three (3) modules inserted into the orange slots (A1, B1 and C1) as one set of Triple-channel memory configuration.

• C*: Supports four (4) modules inserted into the orange slots (A1, B1 and C1) and the black slot A2 as one set of Triple-channel memory configuration. • D*: Supports six (6) modules inserted into both the orange slots and the black slots as two set of Triple-channel memory configuration. - Due to Intel CPU spec definition, the system will not boot if only one DIMM is installed in DIMM slot A2, B2, or C2. Follow the table above for recommended memory configuration.

- Due to Intel spec definition, X.M.P. DIMMs and DDR3-1600 are supported for one DIMM per channel only. - According to Intel spec definition, DDR3-1600 is supported for one DIMM per channel only. ASUS exclusively provides two DDR3-1600 DIMM support for each memory channel. - According to Intel CPU spec, DIMMs with voltage requirement over 1.65V may damage the CPU permanently. We recommend you install the DIMMs with the voltage requirement below 1.65V.

- Due to the memory address limitation on 32-bit Windows OS, when you install 4GB or more memory on the motherboard, the actual usable memory, we recommend that you install a 64-bit Windows OS when having 4GB or more memory installed on the motherboard. - The default memory operation frequency is dependent on its SPD. Under the default state, some memory modules for overclocking may operate at a lower frequency than the vendor-marked value. - For system stability, use a more efficient memory cooling system to support a full memory load (6 DIMMs) or overclocking condition.

P6T DDR3 1800 Qualified Vendors List (QVL) Timing **DIMM socket support (Optional)** Voltage Vendor Part No. Type Size SS/DS **Chip Brand** Chip NO. Dimm(Bios В* C* **CORSAIR** CM3X1024-1800C7DIN(XMP) DDR3 1800 1024MB SS N/A 7 Heat-Sink Package BoxP/N:TW3X4G1800C8DF **CORSAIR** DDR3 1800 4096MB(Kit of 2) N/A 1.80 DS 8-8-8-24 Heat-Sink Package (CM3X2G1800C8D) **KINGSTON** KHX14400D3/1G DDR3 1800 SS 1.9 1024MB N/A Heat-Sink Package 1.9 **KINGSTON** KHX14400D3K2/2G DDR3 1800 2048MB(Kit of 2) SS N/A Heat-Sink Package **KINGSTON** KHX14400D3K2/2GN(EPP) DDR3 1800 2048MB(Kit of 2) SS N/A 1.9 Heat-Sink Package • KHX14400D3K3/3GX(XMP) **KINGSTON** DDR3 1800 3072MB(Kit of 3) SS N/A Heat-Sink Package (1333-9-9-9-24) 1.65 OCZ OCZ3P18004GK DDR3 1800 Heat-Sink Package 1.9 4096MB(Kit of 2) DS N/A 8 • **Transcend** TX1800KLU-2GK(XMP) DDR3 1800 2048MB(Kit of 2) SS N/A Heat-Sink Package 8 1.9 **Patriot** PVS32G1800LLKN(EPP) DDR3 1800 2048MB(Kit of 2) SS N/A CL8-8-8-20(1066-7-7-7-20) Heat-Sink Package

• B*: Supports three (3) modules inserted into the orange slots (A1, B1 and C1) as one set of Triple-channel memory configuration. - Due to Intel CPU spec definition, the system will not boot if only one DIMM is installed in DIMM slot A2, B2, or C2. Follow the table above for recommended memory configuration. - Due to Intel spec definition, X.M.P. DIMMs and DDR3-1600 are supported for one DIMM per channel only.

P6T DDR3 1866 Qualified Vendors List (QVL)

Side(s): SS - Single-sided DS - Double-sided

Note:

Qualified Vendors List (QVL) Standard table for user manual

- ASUS exclusively provides hyper DIMM support function and hyper DIMM support is subject to the physical characteristics of individual CPUs. - According to Intel CPU spec, DIMMs with voltage requirement over 1.65V may damage the CPU permanently. We recommend you install the DIMMs with the voltage requirement below 1.65V. - Due to the memory address limitation on 32-bit Windows OS, when you install 4GB or more memory on the motherboard, the actual usable memory for the OS can be about 3GB or less. For effective use of memory, we recommend that you install a 64-bit Windows OS when having 4GB or more memory installed on the motherboard. - The default memory operation frequency is dependent on its SPD. Under the default state, some memory modules for overclocking may operate at a lower frequency than the vendor-marked value.

• A*: Supports two (2) modules inserted into slot A1 and B1 as one pair of Dual-channel memory configuration.

SS

- Due to Intel CPU spec definition, the system will not boot if only one DIMM is installed in DIMM slot A2, B2, or C2. Follow the table above for recommended memory configuration.

N/A

- For system stability, use a more efficient memory cooling system to support a full memory load (6 DIMMs) or overclocking condition.

DIMM socket support (Optional) Timing Voltage SS/DS Chip Brand Vendor Part No. Size Chip NO. Type Dimm(Bios) C* DDR3 1866 3072MB(Kit of 3) SS (1333-9-9-9-24) **KINGSTON** KHX14900D3K3/3GX(XMP) N/A Heat-Sink Package 1.65

Heat-Sink Package

Chip NO.

Super Talent W1866UX2GB DDR3 1866

Qualified Vendors List (QVL) Standard table for user manual

Part No.

Qualified Vendors List (QVL) Standard table for user manual

	Aeneon	AXH760UD10-18J(XMP)	DDR3 1866	1024MB	SS	N/A	Heat-Sink Package	CL10(1333-8-8-8-24)	•	•			
	Aeneon	AXH860UD20-18J(XMP)	DDR3 1866	2048MB	DS	N/A	Heat-Sink Package	CL10(1333-8-8-8-24)	•	•			
S .	Note: Side(s): SS - Single-sided DS - Double-sided • A*: Supports two (2) modules inserted into slot A1 and B1 as one pair of Dual-channel memory configuration. • B*: Supports three (3) modules inserted into the orange slots (A1, B1 and C1) as one set of Triple-channel memory configuration.												

- Due to Intel spec definition, X.M.P. DIMMs and DDR3-1600 are supported for one DIMM per channel only. - ASUS exclusively provides hyper DIMM support function and hyper DIMM support is subject to the physical characteristics of individual CPUs.

P6T DDR3 2000 Qualified Vendors List (QVL)

Vendor

- According to Intel CPU spec, DIMMs with voltage requirement over 1.65V may damage the CPU permanently. We recommend you install the DIMMs with the voltage requirement below 1.65V. - Due to the memory address limitation on 32-bit Windows OS, when you install 4GB or more memory on the motherboard, the actual usable memory, we recommend that you install a 64-bit Windows OS when having 4GB or more memory installed on the motherboard. - The default memory operation frequency is dependent on its SPD. Under the default state, some memory modules for overclocking may operate at a lower frequency than the vendor-marked value.

Type

• A*: Supports two (2) modules inserted into slot A1 and B1 as one pair of Dual-channel memory configuration.

- Due to Intel spec definition, X.M.P. DIMMs and DDR3-1600 are supported for one DIMM per channel only.

• B*: Supports three (3) modules inserted into the orange slots (A1, B1 and C1) as one set of Triple-channel memory configuration.

- For system stability, use a more efficient memory cooling system to support a full memory load (6 DIMMs) or overclocking condition.

Size

2048MB(Kit of 2)

Timing

Voltage

CL8-8-8-24(1333-9-9-9-24)

•

DIMM socket support (Optional)

Dimm(Bios) В* C* KHX16000D3K3/3GX(XMP) DDR3 2000 (1333-9-9-9-24) **KINGSTON** 3072MB(Kit of 3) SS N/A Heat-Sink Package 1.65 1.9 OCZ OCZ3P20002GK(EPP) DDR3 2000 2048MB(Kit of 2) SS N/A Heat-Sink Package 9 Note: Side(s): SS - Single-sided DS - Double-sided

Chip Brand

SS/DS

- Due to Intel CPU spec definition, the system will not boot if only one DIMM is installed in DIMM slot A2, B2, or C2. Follow the table above for recommended memory configuration.

- ASUS exclusively provides hyper DIMM support function and hyper DIMM support is subject to the physical characteristics of individual CPUs. - According to Intel CPU spec, DIMMs with voltage requirement over 1.65V may damage the CPU permanently. We recommend you install the DIMMs with the voltage requirement below 1.65V. - Due to the memory address limitation on 32-bit Windows OS, when you install 4GB or more memory on the motherboard, the actual usable memory, we recommend that you install a 64-bit Windows OS when having 4GB or more memory installed on the motherboard. - The default memory operation frequency is dependent on its SPD. Under the default state, some memory modules for overclocking may operate at a lower frequency than the vendor-marked value. - For system stability, use a more efficient memory cooling system to support a full memory load (6 DIMMs) or overclocking condition.